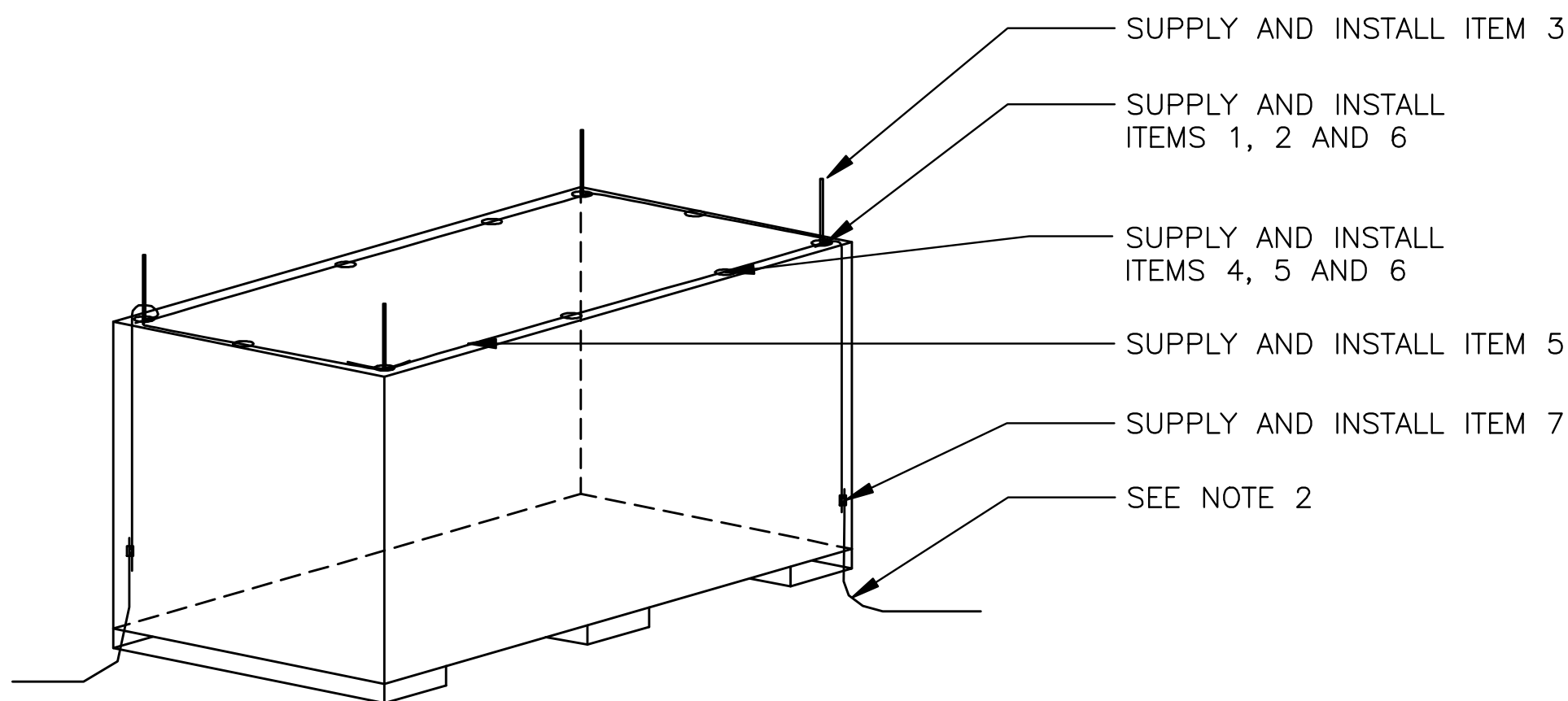


LOCALIZER SHELTER PLOT PLAN

1" = 2'-0"



SHELTER LIGHTNING PROTECTION (NOTE 15)

NO SCALE

BUILDING LIGHTNING PROTECTION (SEE NOTE 15)			
ITEM	MFGR	PART #	QUANTITY
ITEM 1: 1/2" CU UNIVERSAL BASE	HARGER	CUBUI2I	4
ITEM 2: CU ADHESIVE CABLE HOLDER	HARGER	262	8
ITEM 3: 12X24 COPPER AIR TERMINAL	HARGER	1224CUAT	4
ITEM 4: CU CABLE CLIP	HARGER	CCC3	100/BOX
ITEM 5: 100FT ROLL-31X16 CU LP CONDUCTOR	HARGER	32-100	1
ITEM 6: EPOXY ADHESIVE	HILTI	HIT RE 500	1
ITEM 7: PARALLEL CONNECTOR	HARGER	204	2

24. EXISTING LOCALIZER ANTENNA FEEDLINES TO REMAIN. DO NOT CUT, BEND, KINK, DENT, MAIM, MOLEST, DAMAGE OR OTHERWISE CAUSE DISTRESS TO THESE CABLES.

25. REFERENCE POINT. THIS EXISTING CONDUIT REPRESENTS THE BASIS FOR ALL MEASUREMENTS AS RELATED TO PLACING THIS SHELTER.

INSTALLATION NOTES:

1. SUPPLY AND INSTALL 500 MCM FROM THE MAIN GROUND PLATES TO THE EES (2 PLACES). SUPPLY AND INSTALL A BURNDY DUAL LUG CRIMPTED CONNECTORS.
2. SUPPLY AND INSTALL 3/4" BARE COPPER FROM THE EES TO THE #506 LIGHTNING PROTECTION DOWN CONDUCTOR CONNECTOR LEAD.
3. SUPPLY AND INSTALL #2 MAIN TVSS GROUND (GREEN W/ RED TRACER) IN 1" PVC FROM THE TVSS TO THE EES.
4. SUPPLY AND INSTALL #2 MAIN ENTRANCE GROUND CONDUCTOR (GREEN) IN 1" PVC FROM THE MAIN ENTRANCE DISCONNECT TO THE EES.
5. SUPPLY AND INSTALL 3/4" BARE COPPER BOND FROM THE SHELTER FRAME RAIL TO THE EES.
6. SUPPLY AND INSTALL 24X24X8 NEMA 3R ENCLOSURE FOR CSB AND SBO CABLE CONNECTIONS. REUSE THE TWO EXISTING 3" MYERS HUBS.
7. NOT USED.
8. FAA TO REINSTALL THE LOCALIZER CABLE TRANSIENT SURGE PROTECTION ENCLOSURE. FAA WILL INSTALL ON THE INTERIOR WALL OPPOSITE NOTE 6 ENCLOSURE. FAA WILL INSTALL 3"x6" RIGID NIPPLE THROUGH THE WALL.
9. NOT USED.
10. THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE DOOR STOOP AND INSTALL THE NEW STOOP AS SHOWN.
11. SUPPLY AND INSTALL MAIN GROUND INSPECTION BOX. SUPPLY ORBIT MODEL 53030 12" STANDARD RECTANGULAR VALVE BOX, 21.25"D X 12.25"H X 16.25"W, (AVAILABLE AT HOME DEPOT), OR APPROVED EQUAL.
12. EXISTING ALL-IN-ONE METER AND DISCONNECT TO REMAIN.
13. SUPPLY AND INSTALL 240 VOLT FEEDER CONDUIT AND RISER TO ALIGN WITH THE 1-1/2" POWER ENTRANCE BULKHEAD. SUPPLY AND INSTALL 3 #2 THWN, 1 #8 GND, 1-1/2" PVC (SEE DIVISION 16).
14. NOT USED.
15. THE CONTRACTOR SHALL SUPPLY AND INSTALL THE BUILDING LIGHTNING PROTECTION USING THE PARTS SPECIFIED ON THIS DRAWING.
16. NOT USED.
17. NOT USED.
18. SUPPLY AND INSTALL 3/4" BARE COPPER EARTH ELECTRODE SYSTEM. 18" DEPTH. 3/4"x10' GROUND RODS AT EACH CORNER. ALL CONNECTIONS SHALL BE MADE BY EXOTHERMIC WELDS.
19. GOVERNMENT FURNISHED 10X16 DUPONT ELECTRONIC EQUIPMENT SHELTER. APPROXIMATE WEIGHT IS 8,800 LBS. USE 10' SPREADER BAR TO MAKE THE LIFT.
20. FAA SUPPLIED AND INSTALLED FLIGHT CHECK ANTENNA MAST. 2-1/2" RSC, 2-1/2" LB, 2-1/2"x8" RSC NIPPLE MOUNTED ON TWO 12" DOUBLE STACKS OF STRUT. THE CONTRACTOR SHALL BOND THE MAST TO THE EES USING 3/4" BARE.
21. FAA WILL SUPPLY AND INSTALL THE INTERIOR GROUND PLATES. ALL GROUNDING WILL BE INSTALLED PER FAA-STD-019E.
22. SUPPLY AND INSTALL 3/4" THWN HIGH ENERGY GROUND. SUPPLY AND INSTALL 1-1/2" PVC FLOOR PENETRATION TO MATCH THE MAIN GROUND PENETRATION.
23. NOT USED.

1" = 2'-0"  
0  
SCALE IN INCHES

REVISION	DATE	DESCRIPTION	CHECKED	APPROVED
DEPARTMENT OF TRANSPORTATION <b>FEDERAL AVIATION ADMINISTRATION</b> WESTERN PACIFIC REGIONLOS ANGELES, CALIF.				
OAKLAND, CALIFORNIA RWY 27R LOCALIZER REPLACE ELECTRONIC EQUIPMENT SHELTER PLOT LAYOUT				
REVIEWED BY	SUBMITTED BY Michael Brundage		APPROVED BY Cliff Rustad	
	SENIOR OPERATIONS ENGINEER		MANAGER, INFRASTRUCTURE SUPPORT	
	DESIGNED BY BRUNDAGE	DATE	DRAWING NO.	
	DRAWN BY BRUNDAGE/ACAD2009			
	CHECKED BY	04/23/09	OAK-D-ILS27R-S001	